

§ 415.223

**SUBPART V—TITANIUM DIOXIDE-CHLORIDE
PROCESS**

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	23	6.4
Chromium (T)	0.057	0.030
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

(c) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the simultaneous beneficiation-chlorination (chloride/ilmenite) process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

**SUBPART V—TITANIUM DIOXIDE-CHLORIDE-
ILMENITE PROCESS**

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	35	9.6
Chromium (T)	0.12	0.053
Nickel (T)	0.072	0.035
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

[47 FR 28278, June 29, 1982, as amended at 47 FR 55227, Dec. 8, 1982]

§ 415.223 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the sulfate process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): The limitations are the same

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for Chromium(T) and Nickel(T) as specified in § 415.222(a).

(b) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the chloride process must achieve the following effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): The limitations for Chromium(T) are the same as specified in § 415.222(b).

(c) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the simultaneous beneficiation-chlorination (chloride-ilmenite) process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): The limitations for Chromium(T) and Nickel(T) are the same as specified in § 415.222(c).

§ 415.224 [Reserved]

§ 415.225 New source performance standards (NSPS).

(a) Any new source subject to this subpart producing titanium dioxide by the sulfate process must achieve the following new source performance standards (NSPS):

**SUBPART V—TITANIUM DIOXIDE-SULFATE
PROCESS**

Pollutant or pollutant property	NSPS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	110	30
Iron (T)	4.1	1.2
Chromium (T)	0.27	0.14
Nickel (T)	0.18	0.095
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

(b) Any new source subject to this subpart producing titanium dioxide by the chloride process must achieve the following new source performance standards (NSPS):

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SUBPART V—TITANIUM DIOXIDE-CHLORIDE PROCESS

Pollutant or pollutant property	NSPS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	14	4.0
Iron (T)	0.52	0.16
Chromium (T)	0.023	0.012
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

(c) Any new source subject to this subpart producing titanium dioxide by the simultaneous beneficiation-chlorination (chloride-ilmenite) process must achieve the following new source performance standards (NSPS):

SUBPART V—TITANIUM DIOXIDE-CHLORIDE- ILMENITE PROCESS

Pollutant or pollutant property	NSPS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	8.4	2.4
Iron (T)	0.32	0.096
Chromium (T)	0.014	0.0072
Nickel (T)	0.020	0.010
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

§415.226 Pretreatment standards for new sources (PSNS).

(a) Except as provided in 40 CFR 403.7, any new source subject to this subpart and producing titanium dioxide by the sulfate process which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources (PSNS):

SUBPART V—TITANIUM DIOXIDE—SULFATE PROCESS

Pollutant or pollutant property	PSNS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Milligrams per liter (mg/l)	
Iron (T)	8.5	2.5

SUBPART V—TITANIUM DIOXIDE—SULFATE PROCESS—Continued

Pollutant or pollutant property	PSNS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
Chromium (T)	0.57	0.30
Nickel (T)	0.38	0.20

In cases where POTWs find it necessary to impose mass limitations, the following equivalent mass limitations are provided as an alternate: The limitations for Iron(T), Chromium(T), and Nickel(T) are the same as specified in §415.225(a).

(b) Except as provided in 40 CFR 403.7, any new source subject to this subpart and producing titanium dioxide by the chloride process which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources (PSNS):

SUBPART V—TITANIUM DIOXIDE-CHLORIDE PROCESS

Pollutant or pollutant property	PSNS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Milligrams per liter (mg/l)	
Iron (T)	5.3	1.6
Chromium (T)	0.23	0.12

In cases where POTWs find it necessary to impose mass limitations, the following equivalent mass limitations are provided as guidance: The limitations for Iron(T) and Chromium(T) are the same as specified in §415.255(b).

(c) Except as provided in §403.7, any new source subject to this subpart and producing titanium dioxide by the simultaneous beneficiation-chlorination (chloride-ilmenite) process which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources (PSNS):